Robert H. Peterson Co.

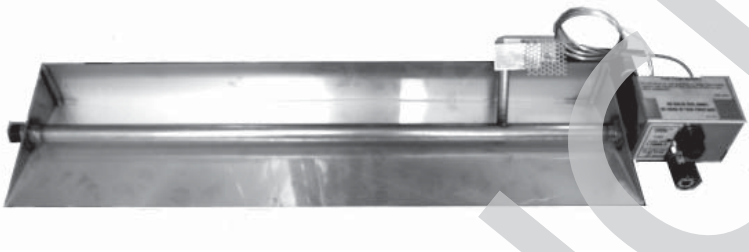
Real-Fyre®

Owner's Manual

G4-Stainless Steel Burner for Outdoor Use

Models:

G4-18/20P-SS
G4-18/20-SS
G4-24P-SS
G4-24-SS
G4-30P-SS
G4-30-SS



PROPANE UNIT SHOWN

G4-Stainless Steel Burner

For use with Propane and Natural Gas

IMPORTANT - Read this Manual Carefully Before Starting Installation of Your Log Set

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- WHAT TO DO IF YOU SMELL GAS.
  - Open a window.
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a quallified installer, service agency or the gas supplier.

CODE AND SUPPLY REQUIREMENTS:
This outdoor burner must be installed in accordance with local codes and ordinances, or in the absence of local codes, with the latest National Fuel Gas Code, ANSI Z223.1.

WARNING:
Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult qualified, professional installer, service agency or gas supplier.

This appliance is designed as an **"attended appliance"**. Adults **must** be present when the unit is operating. DO NOT leave this unit burning when unattended. If this product is left burning unattended it may cause damage or serious injury.

INSTALLER: Leave these instructions with consumer.
CONSUMER: Retain for future reference.

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

REFERENCE

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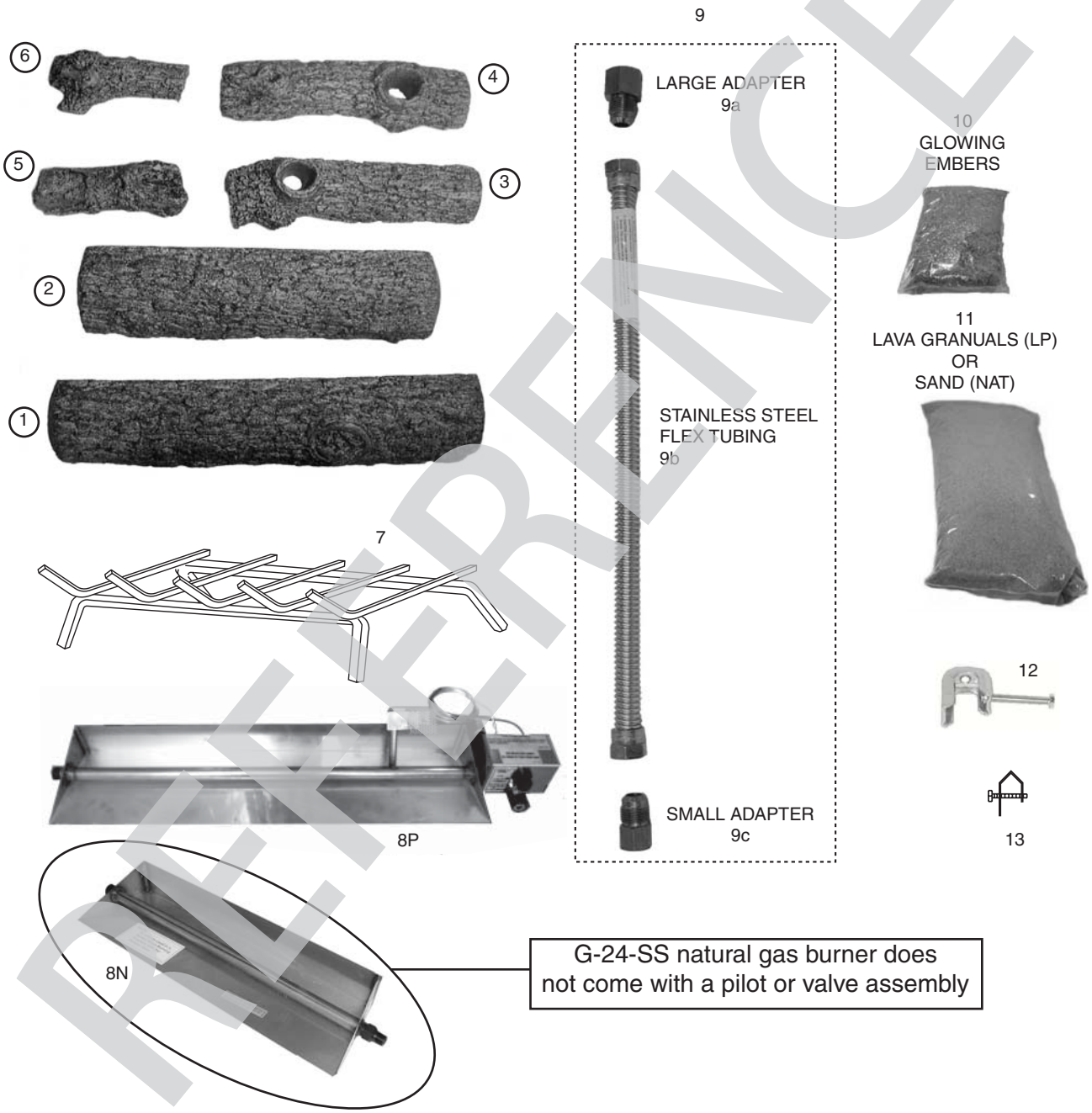
REFERENCE

PARTS LIST AND ILLUSTRATIONS FOR YOUR REAL-FYRE GAS LOG SET

Before beginning installation, be sure your gas log set is complete by comparing its contents with this parts list. The RG4-24 set is listed and illustrated. Your parts may differ depending upon the log style and size of your set. Be sure you know your model number and size of your set when ordering replacement or optional parts and accessories.



ITEM#	DESCRIPTION
1.	Golden Oak Front Bottom Log 24”
2.	Golden Oak Rear Bottom Log 20”
3.	Golden Oak Top Log 15”
4.	Golden Oak Top Log 15”
5.	Golden Oak Top Log 9”
6.	Golden Oak Top Log 9”
7.	Fireplace grate 24”
8P.	Burner Pan and Valve Assembly

ITEM#	DESCRIPTION
8N.	Burner Pan
9.	Connector Kit
10.	Real-Fyre Glowing Embers
11.	Select Sand (Nat. Gas Only)
	or Vermiculite (L.P. Gas)
12.	Damper Clamp
13.	(2) Stabilizer Clips

REFERENCE

BEFORE YOU BEGIN - IMPORTANT INFORMATION

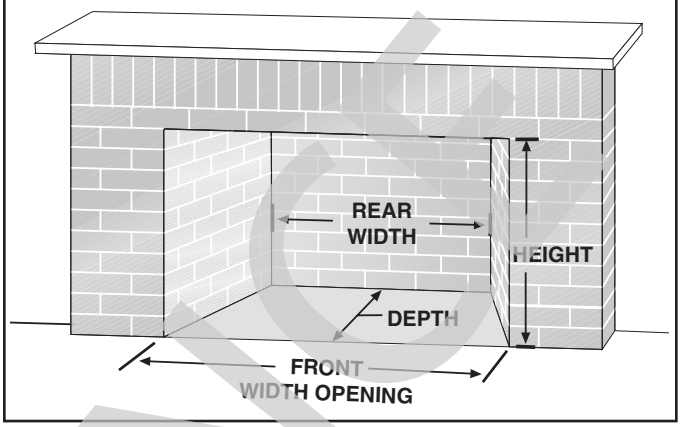
Before You Begin, review the information and safeguards below about the installation and operation of your Real-Fyre gas log set.

Check to be sure that your fireplace meets the venting and construction requirements for the installation of your Real-Fyre gas log set (see "Fireplace Requirements" section below).

THIS BURNER IS DESIGNED FOR USE WITH PROPANE OR NATURAL GAS. Never use natural gas in a log set designed for use with propane gas and never use propane gas in a burner designed for natural gas.

Be sure your gas log set is properly sized for your fireplace. Improper sizing may negatively impact the proper drafting of the fireplace. Additionally, too large a log set will adversely affect the burn and hamper the proper operation of the control system. Too small a log set will diminish the beauty of your hearth setting. Figure 1 illustrates the critical dimensions of your firebox.

Figure 1 Fireplace Dimensions



This gas log set must be installed by an NFI Certified or other qualified, professional installer. The installation, including provisions for combustion and ventilation air, must conform with local codes, or in the absence of local codes, with the latest edition of the National Fuel Gas Code, ANSI Z223-1 and NFPA54.

IMPORTANT: To comply with listing and building code acceptances and for safe operation and proper performance ONLY Peterson parts and accessories may be used with this gas log set. Robert H. Peterson Co. valves, controls, parts and accessories have been designed, tested and certified for use with Real-Fyre gas log sets. Use of other controls, parts and accessories which are not designed for use with Real-Fyre gas log sets is prohibited and will void all warranties, certifications, listings and building code approvals, and may cause property damage, personal injury or loss of life.

FIREPLACE REQUIREMENTS

Your Real-Fyre gas log is to be installed only in a fully vented, noncombustible fireplace with an open damper. The chimney must be free of any obstructions. The fireplace must be designed and approved to burn wood. The fireplace flue must be at least 8" at its smallest dimension.

Your fireplace must have a gas supply line that has been installed by a qualified technician in accordance with all local codes. The gas supply line must have a ½" minimum interior diameter. If the gas line to your fireplace is longer than 20', a larger diameter line may be necessary.

Be sure to clean your fireplace floor of any ashes or other foreign materials. It is recommended that the fireplace and chimney be inspected by a chimney sweep or other qualified person before you install your Real-Fyre gas log set.

Required Gas Pressure: The minimum inlet gas supply pressure for the purpose of input adjustment is 11" of water column for propane gas. The maximum inlet gas supply pressure is 13" water column for propane gas.

Testing the Gas Supply System: The gas log set and its individual shut-off valve must be disconnected from the gas supply piping system while performing any tests of the piping system at pressures in excess of ½ psig. The gas log set must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ psig. This is accomplished by closing the gas supply line valve, which is required by NFPA 54, section 5.54. A fireplace screen must be in place when the log set is burning. **When glass fireplace doors are used, operate the gas log set with the doors open**.

MODEL NO.	LOG SET DIMENSIONS		
	FRONT	BACK	DEPTH
G4-18/20(P)-SS	18"	15"	12"
G4-24(P)-SS	24"	20"	12"
G4-30(P)-SS	30"	24"	12"

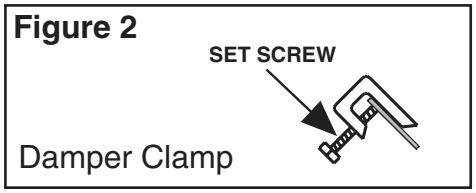
REFERENCE

INSTALLING THE DAMPER CLAMP

A damper clamp is provided as a means to prevent full and/or accidental closure of the fireplace damper when installed as illustrated (Figure 3). When your gas log set is operating, the damper must be fully open. To install your damper clamp:

1. Open your fireplace damper.
2. Place the damper clamp over the damper blade (Figure 3).
3. Tighten the set screw of the damper clamp with pliers or a wrench so that it affixes to the damper blade. The clamp must be permanently installed.

Figure 2



4. Should the damper clamp not fit, install a permanent damper stop or provide some other means of preventing full and/or accidental closure of the damper.

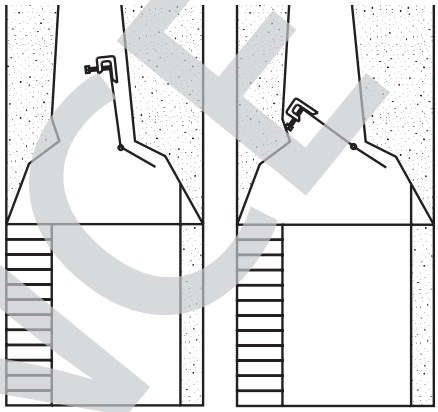


Figure 3

INSTALLING YOUR REAL-FYRE BURNER SYSTEM

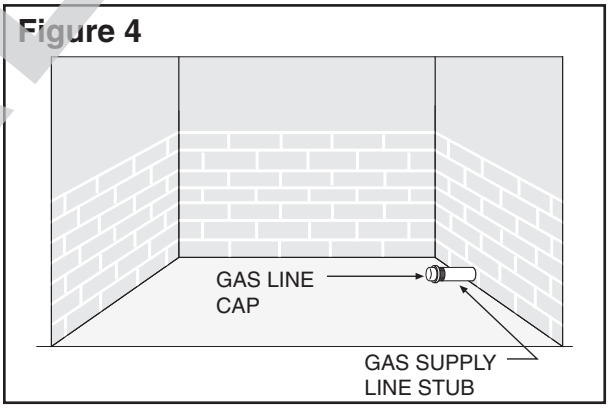
Refer to the parts list on page 3 when installing your Real-Fyre gas log set

1. Carefully unpack your burner system. Check the parts list to be sure all parts are included.
2. Your Real-Fyre gas log set may be operated using the remote gas valve of your fireplace. ONLY SPECIFICLLY RECOMMENDED PETERSON CONTROL SYSTEMS ARE TO BE USED WITH THIS BURNER. CONTACT THE DEALER FOR INFOMATION.
3. **Check to be sure that your Real-Fyre gas log set is designed for the type of gas that fuels your fireplace.**
4. Be sure the gas supply to the fireplace is turned off.
5. Clean the fireplace floor of any dirt or ashes.
6. Remove the cap from the gas supply line stub in the fireplace (Figure 4).
   Caution: Be sure that when removing the cap, the stub does not turn, loosening the connection inside the wall.

Placement of Grate and Burner

7. Your Real-Fyre grate is modeled after wood fire grates to add to the natural wood fire appearance of your log set. Its heavy duty construction and design provides a better fit - even in narrow, shallow fireboxes - and works with the log set to provide an attractive flame pattern.

Figure 4

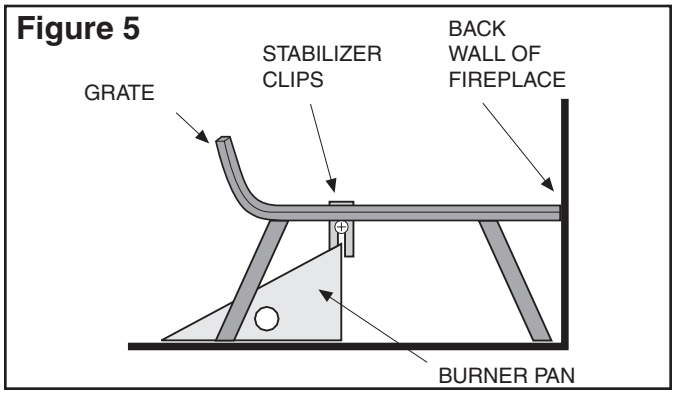


To position your Real-Fyre gas log set properly in the fireplace, place the grate as far back in the fireplace as possible, centered left-to-right (Figure 5). The grate is tapered. The widest side should face forward.

Install the stabilizer clips on the grate bars so that the slots of the stabilizer clips fit over the back edge of the burner pan. Use the nuts and bolts provided to secure the clips in position.

Remove grate for gas connection and granule placement.

Figure 5



REFERENCE

8. Created to provide the maximum in both safety and durability, your Real-Fyre burner pan is constructed of high-quality steel and coated with a specially formulated high-temperature paint to prevent rust. It is welded securely at all corners and where the burner pipe passes through the pan to ensure that gas does not escape. The burner pipe has portholes that are precisely sized and spaced to ensure maximum flame height, balance and distribution. It provides for quick and quiet ignition. The portholes are facing the bottom of the burner pan, which prevents granules from clogging the holes and promotes gas dispersion throughout the burner pan.

   Place the burner pan under the grate. The open edge should face forward and the back edge of the burner pan should be positioned approximately halfway under the grate (Figure 5).

9. Remove the grate from the firebox.

Connecting the Gas Supply

10. Your burner pan is supplied with an **air mixer** for propane gas or a fuel injector for natural gas. **The air mixer or fuel injector must be used in ALL installations.** The air mixer/ fuel injector has a precisely sized orifice to ensure only the proper quantity of gas enters the burner. This allows maximum performance and gas conservation.

11. When installing your log set, **use Teflon tape or pipe compound resistant to the action of propane gas on all threaded male connections except brass to brass connections.**

2. Your Real-Fyre gas log set is supplied with a **connector kit**. The connector kit has been designed to ensure dependable, reliable performance. The tubing is sized for optimum gas flow and quiet operation. The connections are flared for leak-free operation.

   For proper connection and log set placement, the tubing may be bent manually or with the aid of a tube bender. **Be sure you do not kink the tubing.** If the tubing must be shortened, use a tube cutter and a flaring tool to re-flare the cut end.

13A. Installing your Real-Fyre gas log set (PROPANE) (see Figure 6)

a. Attach the large adapter (Item 9a) to the gas supply stub in your fireplace. Use teflon tape or pipe compound on the stub. Tighten securely. Connect the tubing to the adapter.

b. Discard the small adapter (Item 9c). Connect the tubing to the rear of the valve. Tighten both ends securely.

c. **Be sure to turn off the valve** and then turn on the gas supply to the fireplace.

d. Test for leaks at all connections with a soapy water solution. **Never use an open flame to check for leaks.**

e. Turn off gas supply.

f. Proceed to “Granule Placement” on page 7.

13B. Installing your Real-Fyre gas log set using the fireplace valve (NATURAL) (see Figure 7)

a. Attach the large adapter (Item 9a) to the gas supply stub in your fireplace. Use teflon tape or pipe compound on the stub. Tighten securely.

b. Attach the smaller adapter (Item 9c) to the fuel injector or air mixer on the burner pan. Use Teflon tape or pipe compound. Tighten securely.

c. Connect the two adapters with the flex tubing. Tighten both ends securely.

d. Use a long-necked butane lighter, or lay a lighted match next to the burner pipe, and carefully turn on the gas supply until the burner ignites.

e. Test for leaks at all connections with a soapy water solution. **Never use an open flame to check for leaks.**

f. Turn off gas supply.

g. Proceed to “Granule Placement” on page 7.

Figure 6

G4-xxP-SS (PROPANE UNIT)

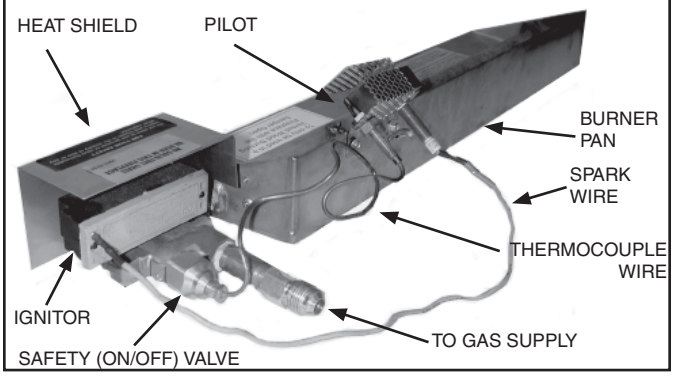
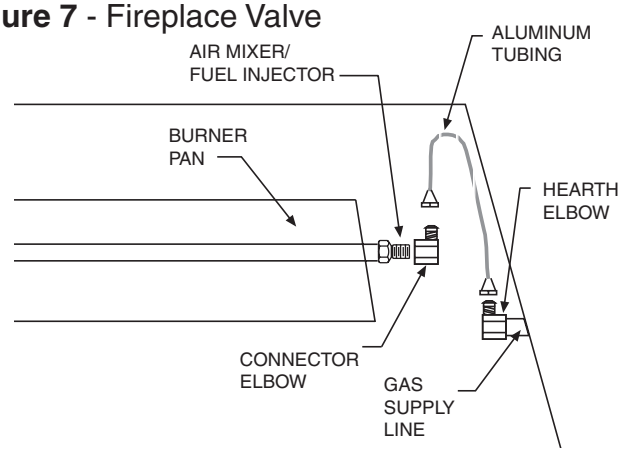


Figure 7 - Fireplace Valve



REFERENCE

IMPORTANT

For all valves, the air **MUST** be purged from the gas line before the pilot will light properly. The time taken to do this will depend on the length of gas line from the meter to the unit and the length of time since the unit or gas line was last used (in the case of non-use during warm weather for example). It may take from 3-15 minutes before all the air is purged and the pilot will light properly. This is done using the method for lighting the pilot, but holding in the

The **granules** supplied with your unit are specially selected for use with either propane gas (**vermiculite**) or natural gas (**sand**). They maximize flame distribution and reduce carbon buildup.

NOTE: *Never use sand in a burner designated for use with propane gas.*

Granule Placement

1. With the burner pan off and properly positioned in your fireplace, fill the burner pan completely with the granules. **Avoid spilling the granules on your Peterson control, if one is in place.**

2. Slope the granules at the same angle as the burner pan. This is important to ensure quiet lighting and even flame distribution.

3. Pour a small amount of the granules along the outside bottom edges and back of the burner pan (Figure 8). This prevents flame diversion.

Glowing Embers Placement

Real-Fyre ember glow is specially formulated and sized to create the most authentic, uniform "glow", duplicating red hot coals under the grate. They are a major element in the beautiful realism of Real-Fyre gas log sets. All materials used are nonflammable and inert, containing no asbestos.

1. Sprinkle the Real-Fyre ember glow lightly and evenly over the entire surface of the granules (Figure 9). For Charred Series log sets see page 9.

Grate Replacement

1. Reposition the grate in your fireplace over the burner pan. The grate should be as far back in the fireplace as possible; the back edge of the burner pan should be approximately at the halfway point of the grate (Figure 9).

2. Make sure the stabilizer clips slide over the back edge of the burner pan. The stabilizer clips secure the burner pan to the grate and maintain the position of all parts of the gas log set. This preserves your installation, eliminates any settling problems and assures the attractive flame pattern is maintained. These clamps also ensure optimum safety performance of all Peterson controls that may be installed.

REFERENCE

Figure 8

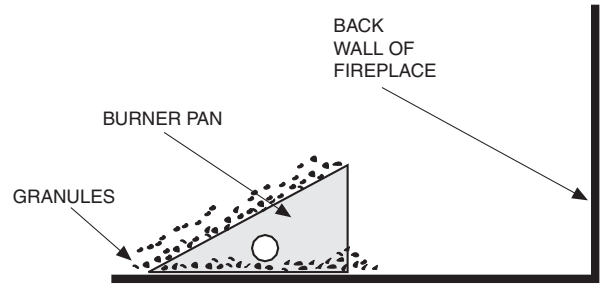
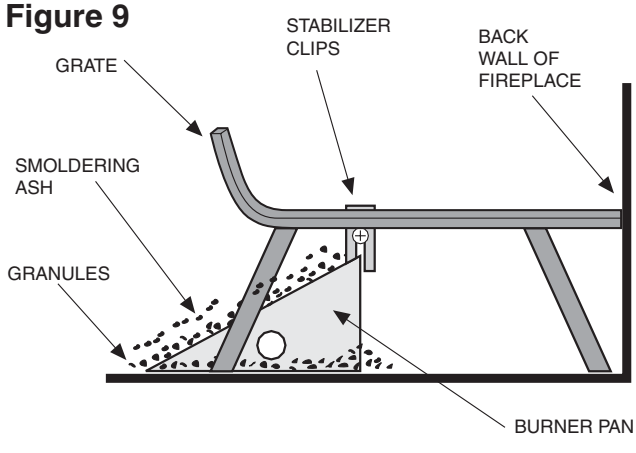


Figure 9



The beauty and design of your Real-Fyre gas logs are the result of skilled craftsmanship, research and engineering. The fine quality materials used to mold the logs are formulated from kiln-fired ceramics, superior refractories and the best expanded shales and aggregates, exactly proportioned. Added to this material are steel reinforcing rods, precisely sized and designed to prevent breakage. This creates realistic, long-lasting logs. Their durability has been proven by over a half century of use in family homes. Real-Fyre logs are guaranteed for as long as you own them. Hairline cracks are common and may appear after the first use. This will not affect the integrity of the logs or the operation.

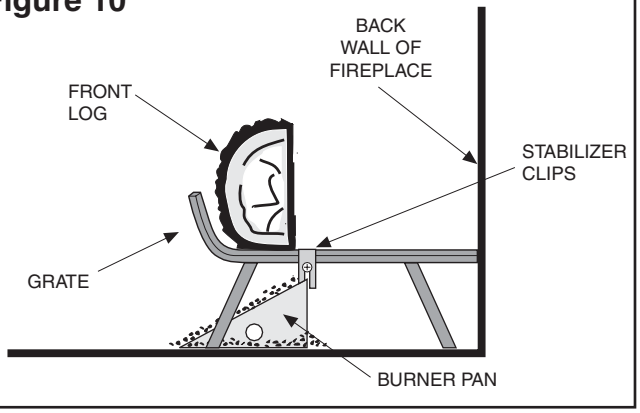
Each log is skillfully designed and crafted to duplicate natural wood. Deep, rugged bark textures and hand-painted highlighting challenges the viewer to tell whether they're looking at real wood logs or Real-Fyre logs. Knotholes, branch stubs and peeled-away bark in many styles also add to the realism of your Real-Fyre gas log set.

Designer and Classic Series Log Placement

(for Charred Series log sets see page 9).

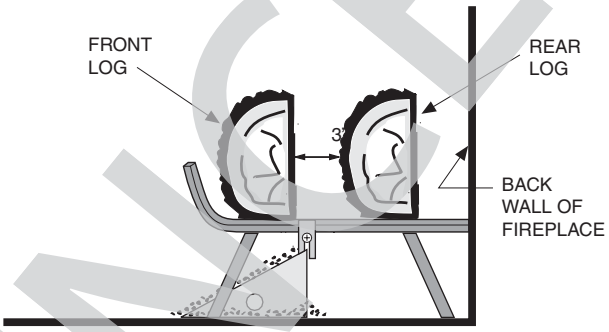
1. **Log placement is very important for the proper operation and performance of your Real-Fyre gas log set.** Although you have some flexibility in the log arrangement, it is necessary to follow the log placement instructions carefully to fully enjoy your log set.
2. The longest log is placed on the front of the grate with the bark of the log facing forward. If you have a heat chamber built into your log style, it should be facing the rear of the fireplace (Figure 10).
3. The second longest log (Item No. 2) is placed on the rear of the grate with the bark of the log facing forward. If you have a heat chamber built into your log style, it can face forward or to the rear of the fireplace as you desire.

Figure 10



Be sure to provide a minimum of 3" between the front and rear log (Figure 11). This will create the energy efficiency and heat radiating effect of the log set and will also reduce carbon buildup.

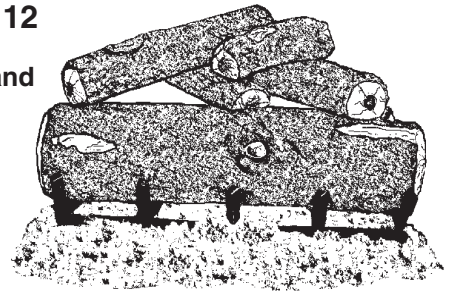
Figure 11



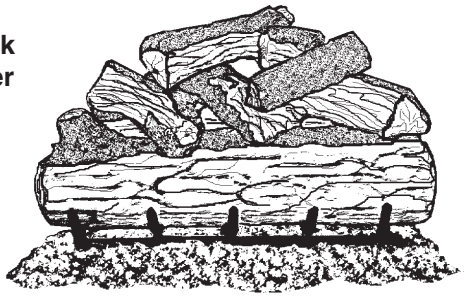
4. Top logs should be placed diagonally with space between the logs so that the flames are not choked off. Top logs may be moved to achieve the desired flame pattern. Some carbon buildup (sooting) may be observed where the flames impinge on the logs. Unless the sooting is excessive, this should not be a concern. If sooting is excessive, rearrange the top logs so there is less flame impingement. Examples of log stacks are shown in Figure 12.

Figure 12

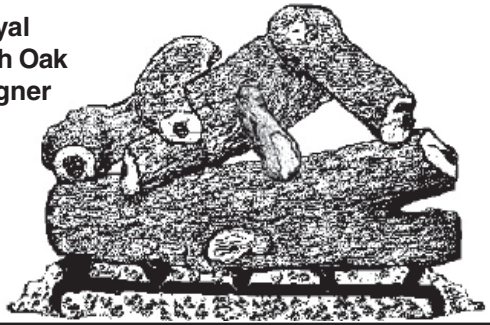
Woodland Oak



Split Oak Designer Plus



Royal English Oak Designer



PREFERENCE

CHARRED SERIES SUPPLEMENTAL INSTRUCTIONS

These instructions must be used with the Charred Series gas log set - Charred Oak (CHD), Charred Split (CHS), and Charred Royal (CHB). Proceed with the Owner's Manual instructions through the "Glowing Embers Placement", step 1, page 7.

EMBER COALS PLACEMENT

Attach the COALS FYREBED to the burner by slipping it onto the back edge (center left to right) with the perforated section facing towards the back fireplace wall.

Cover the surface of the COALS FYREBED with the EMBER COALS (Figure 13). For best glowing performance, they should be applied evenly and pulled slightly apart so the fibers are somewhat loose. (It is not necessary to pile the entire bag of the EMBER COALS. More EMBER COALS may be added after completion of the entire installation).

Figure 13

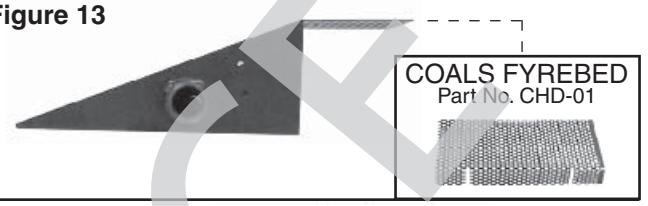
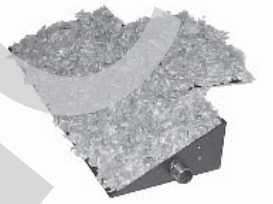


Figure 13a



Note: COALS FYREBED (CHD-01) included with Charred Series log sets only.

GRATE REPLACEMENT

Follow instructions on page 7.

CAUTION: BURN HAZARD. LOGS WILL REMAIN HOT FOR SOME TIME AFTER USE.

YOU MUST MAINTAIN THE LOG LAYOUT AS SHOWN TO ENSURE PROPER OPERATION OF YOUR LOG SET. IF YOU NEED TO REPOSITION ANY LOG TO MAINTAIN THE PROPER LAYOUT, USE HEAT RESISTANT GLOVES OR ALLOW LOGS ADEQUATE TIME TO COOL BEFORE HANDLING.

CHARRED SERIES SUPPLEMENTAL INSTRUCTIONS

CHARRED SERIES LOG PLACEMENT

Place the long bottom rear log (Log #2) on the back of the grate with the flat hollow side facing the rear of the fireplace. The two sections of the front log (Log #1A & 1B) are placed on the front of the grate with the charred sections facing each other and positioned approximately one inch apart at the top (Figure 14). There should be three inches between the front and rear logs.

Place the two top knothole logs (Logs #3 & 4) so that one end rests on each front log (Log #1A & 1B) and the other end on the rear log (Log #2). The charred sections should be over the opening between the front and rear logs (Figure 15).

Place the small top charred log (Log #5) between the knothole logs so it rests on the rear log (Log #2) and the right-hand front log (Log #1B) with the charred section facing the front (Figure 16).

Place the curved top charred log (Log #6) so the charred section rests on the left-hand front log (Log #1A) and the other end rests on the middle of the right top knothole log (Log #4) (Figure 17).

Place the additional top log (Log #7) on the top in your desired position. *Additional log not available with 18" log set.*

** Other options may be chosen for top log placement.*

Light the log set, referring to installation instructions for procedures. More EMBER COALS may be placed on the COALS FYREBED for the added realism of a burning wood look.

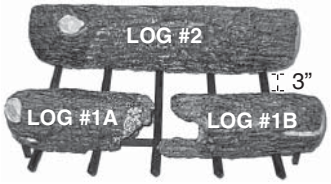


Figure 14

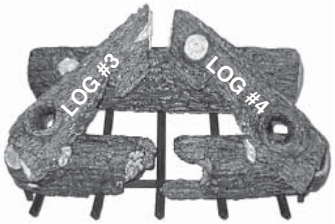


Figure 15

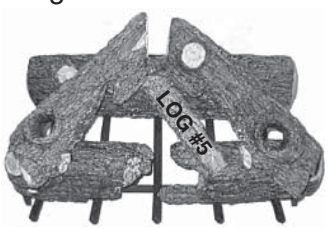


Figure 16

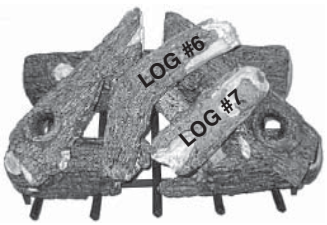


Figure 17

NOTE: Charred Oak (CHD) log set used for illustration.

REFERENCE

OPERATING YOUR LOG SET - LIGHTING AND EXTINGUISHING

** We recommend that before you install your log set you familiarize yourself with the control valve layout. This will help you to be confident operating the log set when fully installed (see Figure 18 below for typical control positions).*

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. BEFORE LIGHTING, smell all around the gas log set area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

B. WHAT TO DO IF YOU SMELL GAS

- Open a window.
- Do not try to light the appliance.
- Do not touch any electrical switch, do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified service technician. Force or attempted repair may result in fire or explosion.

D. Do not use the gas log set if any part has been under water. Immediately call a qualified service technician to inspect the gas log set and to replace any part of the control system and any gas control which has been under water.

LIGHTING YOUR GAS LOG SET (PROPANE UNIT):

1. After you have finished checking for leaks, ensure that the unit is turned completely off by pushing in the "ON/OFF" control knob and turning clockwise toward "OFF" until you reach a stop.

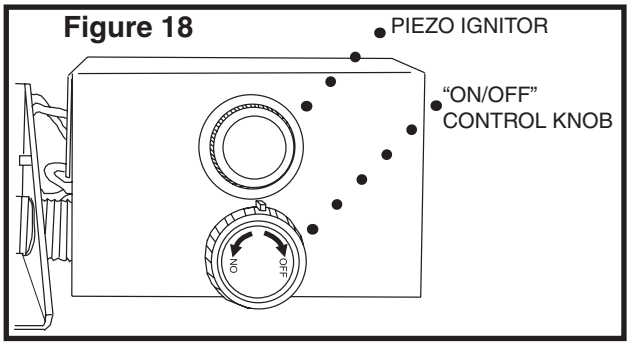
2. Turn the "ON/OFF" control knob counterclockwise to the "ON" position. DO NOT PUSH KNOB IN!
   NOTE: You should not hear or smell any gas at this point.

3. Wait five (5) minutes to clear out any gas. Smell for gas, including near the floor. If you smell gas, stop and follow step B of the safety information above. If you don't smell gas, go to next step.
4. **LIGHTING INSTRUCTIONS**
   a. Press and hold in the electronic ignitor button. The ignitor will spark with a rapid clicking noise.
   b. While holding in the electronic ignitor, push in the "ON/OFF" control knob to open the valve. Burner will now ignite at the maximum BTU input.
   c. Continue to hold knob for 10-15 seconds; this will allow the safety valve to activate and the main burner to remain burning.

Turning Off Your Gas Log Set:

1. Push in the "ON/OFF" control knob and turn clockwise toward "OFF" until you reach a stop (burner will extinguish).

Figure 18



REFERENCE

OPERATING YOUR LOG SET - LIGHTING AND EXTINGUISHING

FOR YOUR SAFETY, READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

LIGHTING YOUR GAS LOG SET (NATURAL UNIT)

If your Real-Fyre gas log set is operated by the fireplace valve:

1. Lay a lighted long-stem match on the surface of the embers near the gas inlet (**do not hold the match in your hand)** or use a lighted long-necked butane lighter.
2. Slowly turn the fireplace remote valve to the "ON" position. Your log set should light.
3. If the log set does not light before the match goes out, immediately turn the valve "OFF".
4. Wait approximately five (5) minutes to clear out any gas, and repeat steps 1-3 above. Smell for gas including near the floor. If you smell gas, stop and follow step B of the safety information on page 10. If you don't smell gas, go to next step.
5. If your log set fails to light again, turn off the valve and contact your dealer or gas supplier.
6. To extinguish your Real-Fyre gas log set, simply turn the valve to the "OFF" position. Be sure the valve is turned completely off to avoid any gas leakage.

TECHNICAL DATA AND SPECIFICATION INFORMATION

Maintenance

Once installed and operating properly, your Real-Fyre gas log set requires very little maintenance. You should inspect your log set and control annually for the following:

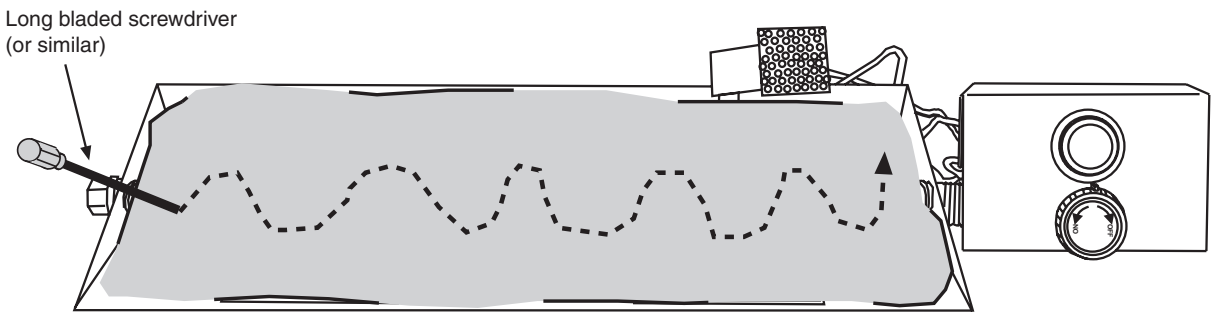
1. Excessive Sooting - Some sooting of your log set is normal and adds to the appearance of burned wood. If sooting accumulates, you may brush the soot off with a stiff brush. Do not use water or soot cleaners to clean off the soot.
2. Settling of Ember Glow and Granules - Moisture may cause the granules and ember glow in your burner pan to settle and affect your burn. Using a screwdriver or flat blade knife, carefully stir the granules and embers, loosening the materials.
3. Debris around the control - Inspect the control and pilot to be sure it is free of any dirt or debris.

Service

While some minor service conditions may be handled by the owner of the log set, it is recommended that a qualified service technician be called to service your gas log set and control should service be required. The troubleshooting section of these instructions serves as a guide for ensuring optimum performance of your gas log set.

TECHNICAL DATA AND SPECIFICATION INFORMATION

To adjust the flame pattern, take a long blade screwdriver or similar tool and stir the granules until the desired pattern is achieved. **DO NOT REMOVE GRANULES FROM THE BURNER PAN**



Insert blade into sand and stir granules in various places until desired flame pattern is achieved.

REFERENCE

TROUBLESHOOTING YOUR GAS LOG SET

SYMPTOM	CAUSE	SOLUTION
1. Excessive smoking and sooting. (Note: like burning natural firewood, your Real-Fyre gas log set is designed to burn with a yellow smoky flame. Some sooting is common and desireable.)	A. Poor draft or down draft.	A. Check for chimney blockage. Be sure chimney is at least 3' taller than anything within 10' of it in all directions. If not, consult a chimney sweep. Chimney cap or fan may help. Under severe conditions, you may need to spen a window near the fireplace about 1" to 2" when burning the log set.
	B. Improper set for gas used.	B. Use only a Natural Gas set with Natural Gas. Use only an L.P. (propane) gas set with L.P. (propane) gas.
	C. Damper closed.	C. Open damper fully when operating gas log set.
	D. Set is positioned too close to the front fo the firebox.	D. Move set so that the back of the grate touches the back wall of the firebox.
	E. Improper log placement.	E. Be sure the bottom logs are spaced at least 3" apart. Top logs should be placed to minimize flame impingement.
	F. Flue is less than 8" in diameter.	F. Remove the log set. Inadequate fireplace ventilation.
	G. Air mixer on propane set is closed.	G. Open air mixer completely.
2. Low flame.	A. Incorrect log set for type of gas used.	A. Consult your dealer for proper set.
	B. Insufficient gas supply.	B. Other gas appliances may be competing for gas supply. Consult installer or plumber. Orifice size is based upon 7" w.c. pressure for Natural Gas and 11" w.c. pressure L.P. gas. Plumbing must supply adequate pressure.
	C. Blockage or kink in connector kit, plumbing or burner orifice.	C. Clean out blockage. If connector kit is kinked, replace it.
	D. Valve not fully open.	D. Open valve fully.

REFERENCE

SYMPTOM	CAUSE	SOLUTION
3. Uneven flame distribution (Lower at one end of the burner)	A. Clogged or blocked portholes.	A. Portholes can be cleared of foreign object by running a wire through them.
	B. Insufficient gas pressure and/or supply.	B. Consult installer or plumber (see solution 2b).
	C. Granules may be packed down too tightly or not evenly.	C. Loosen granules around burner pipe by running a kitchen knife along both sides of pipe. Even out granules in burner pan.
	D. Auxiliary shut-off valve partially closed.	D. Open valve fully. Usually, you will find this along the wall 3' from the fireplace.
	E. Valve not fully open.	E. Open valve fully.
4. Flame backing out of air mixer.	A. Clogged or blocked portholes.	A. Portholes can be cleared of foreign object by running a wire through them.
	B. Insufficient gas pressure and/or supply.	B. Consult installer or plumber (see solution 2b).
	C. Granules may be packed down too tightly.	C. Loosen granules around the burner by running a kitchen knife along both sides of the pipe. Be sure vermiculite (not sand) is used with an air mixer.
	D. Excessive gas pressure.	D. Contact your gas supplier.

REFERENCE

PETERSON VENTED GAS LOG SETS
LIMITED WARRANTY

All Peterson Gas Logs are **WARRANTED for as long as you own them (Lifetime).**
All Peterson Burner Assemblies are **WARRANTED for TEN (10) YEARS.**
SPK-26 controls are covered by a **THREE (3) YEAR "All Parts" Warranty.**
All other Peterson Valves, Pilots and Controls are covered by a **ONE (1) YEAR Limited Warranty (excluding batteries).**

This warranty applies only to the original purchaser, from the date of purchase, and to Peterson products purchased for residential purposes.

This warranty does not cover parts becoming defective by misuse, accidental damage, electrical damage, improper handling and/or installation or service (log sets must be installed as outlined in the enclosed instructions by a qualified, professional installer and with only Peterson parts, control valves, remotes and accessories). It does not cover labor or labor-related charges. It specifically excludes liability for indirect, incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. This warranty gives you specified legal rights and you may have other rights which may vary from state to state.

For additional information regarding this warranty, or information on how to place a warranty claim, contact your Peterson dealer or the Robert H. Peterson Company.

REFERENCE

ROBERT H. PETERSON CO.

Quality Check **Date:**_____
Orifice # (Main): _____
Orifice # (Other):_____ **Model #:** _____
Leak Test: _____ **Serial #:** _____
Burn Test: _____ **Air Shutter:** _____
Gas Type: **NAT. / L.P.** **Inspector:** _____